

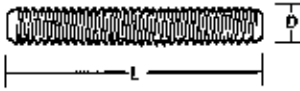


STUDS

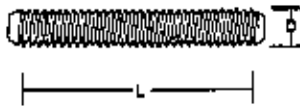
TYPES & DIMENSIONS

Full Thread
Single End
Unthreaded (Blank)

FULL THREAD
(Measured end to end)

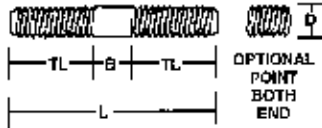


FULL THREAD
(Measured first thread to first thread per
ASTM A193/A320)

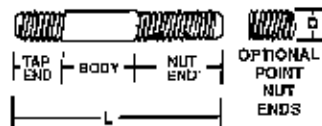


Double End
Tap End
Radius End

DOUBLE-END

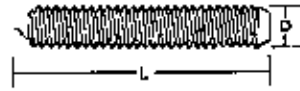


TAP-END

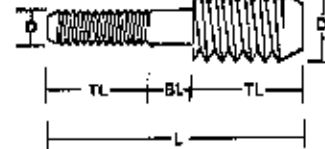


Chisel Point
Reducing
Weld

CHISEL POINT
45° POINT



REDUCING



Diameters No. 2 to 4" • Lengths: As Specified • Fits: 1A, 2A, 3A, 5CSF, 5H-F AND 5CNF

MATERIALS

STAINLESS STEELS

303
304
304 STRAIN HARD
304 ELC
309
310
316
316 STRAIN HARD
316 ELC
317 ELC
321
330
347
410
410 HEAT TREATED
416
430
440C
501 HEAT TREATED
17-4 PH**
A286
ALLOY 20
CARPENTER 20
Cb3***
NITRONIC 60**

NICKEL ALLOYS

NICKEL 200
MONEL 400*
MONEL R-405*
MONEL K-500*
INCONEL 600*
INCONEL 601*
INCONEL 625*
INCOLOY 800H*
INCOLOY 825*
HASTELLOY
C-276****

ALUMINUM ALLOYS

2024T4
6061T6

CARBON STEELS

1018
1020
1045
1117
12L14
1215
A36

ZINC PLATED

HOT-DIP GALVANIZED

ALLOY STEELS

4140
4340
A193 B7
A193 B7M
A193 B16
A320 L7
A320 L7M
A320 L43
A354 BC
A354 GR.8

COPPER ALLOYS

COPPER
BRASS
NAVAL BRASS
SILICON BRONZE
ALUMINUM BRONZE
PHOSPHOR BRONZE
CUPRO-NICKEL

DUPLEX

2205
AL6-XN*****

CERTIFICATION

CHEMICAL AND PHYSICAL TESTS REPORTS AVAILABLE

* TRADEMARK OF SPECIAL METALS ** TRADEMARK OF AK STEEL *** TRADEMARK OF CARPENTER TECHNOLOGY CORPORATION
**** TRADEMARK OF HAYNES INTERNATIONAL ***** TRADEMARK OF ALLEGHENY LUDLUM



QUICK DELIVERY IS OUR SPECIALTY!